

REPLACEMENT DRAWINGS

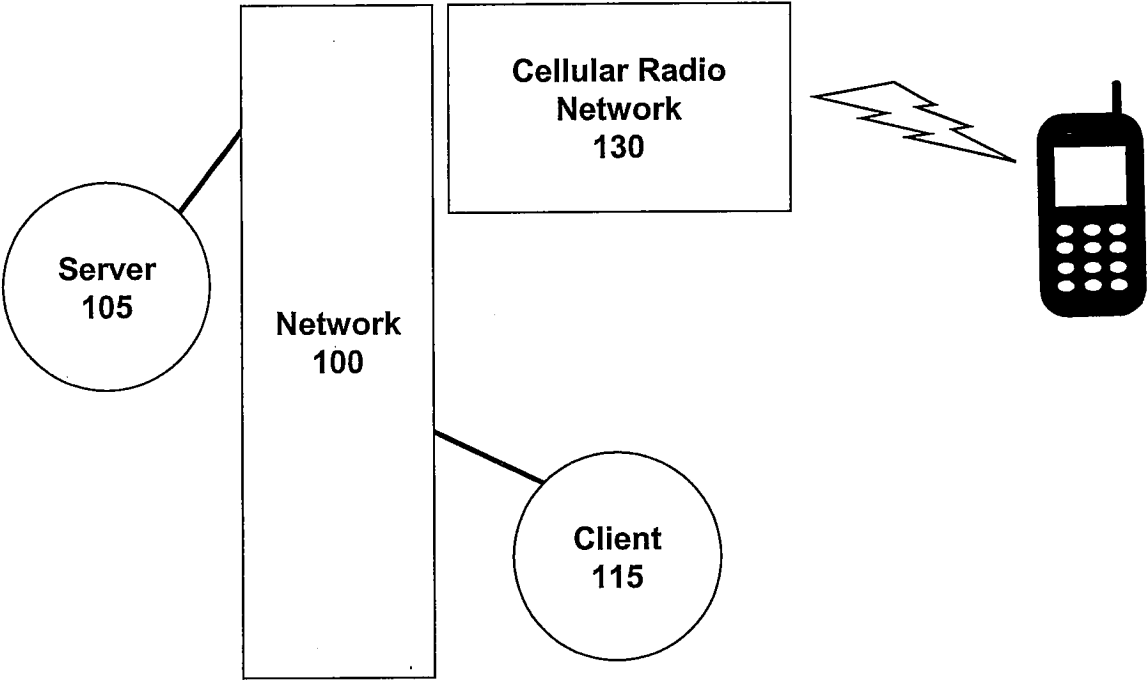


FIGURE 1

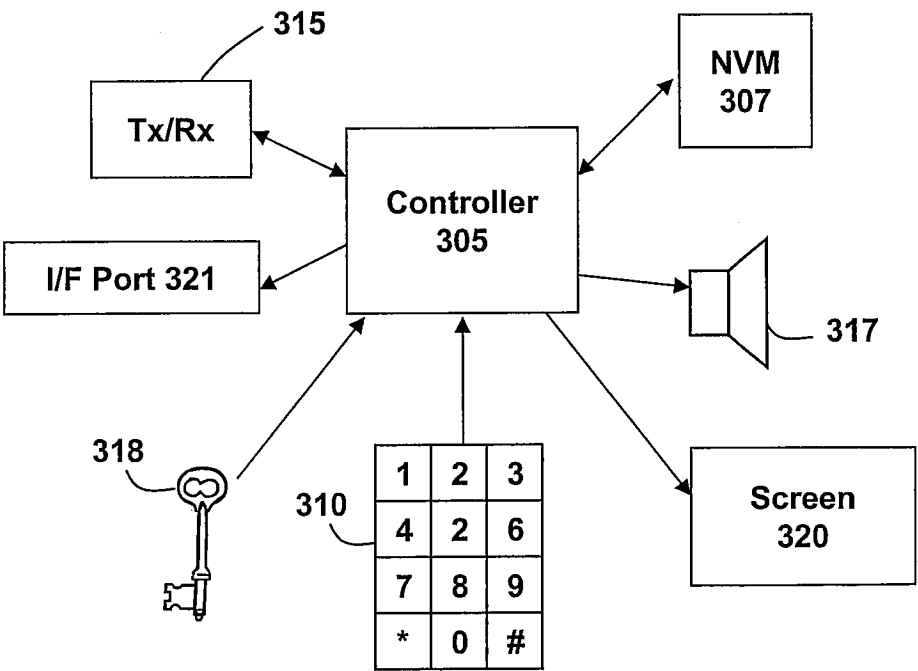


FIGURE 3

The diagram illustrates a network architecture with nested service areas and core network components. The nested areas are:

- PLMN SERVICE AREA210** (outermost)
- MSC/VLR SERVICE AREA212**
- LOCATION AREA218**
- BSS AREA225** (innermost)

Within the BSS AREA225, a **CELL 222** contains a mobile phone **20**. The cell is connected to a **BSC 223**, which is further connected to the core network. The core network includes:

- VLR 216** (Visited Location Register)
- HLR 226** (Home Location Register)
- MSC 214** (Mobile Switching Center)

The BSC 223 is connected to an **MSC 214**, which is connected to another **MSC 214**. This second MSC 214 is connected to a **Server 105** and a **PSTN** (Public Switched Telephone Network). The PSTN is also connected to the **MSC 214** and the **HLR 226**. The **MSC 214** is also connected to the **VLR 216** and the **HLR 226**.

FIGURE 2

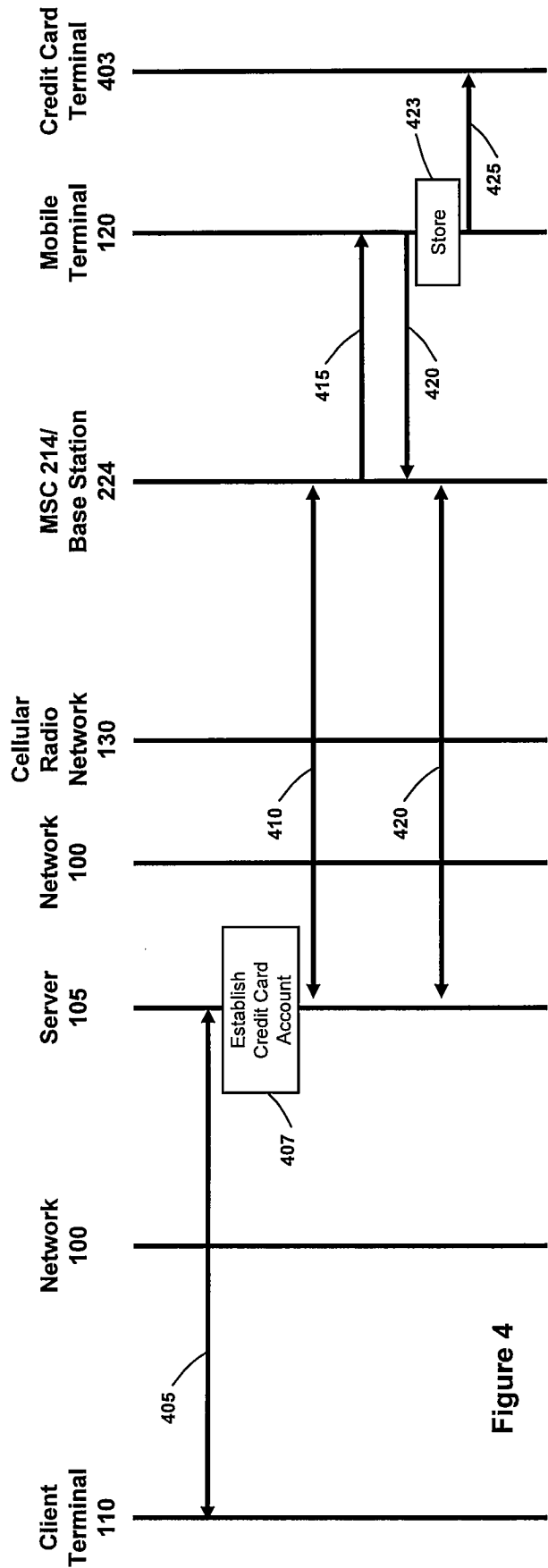


Figure 4

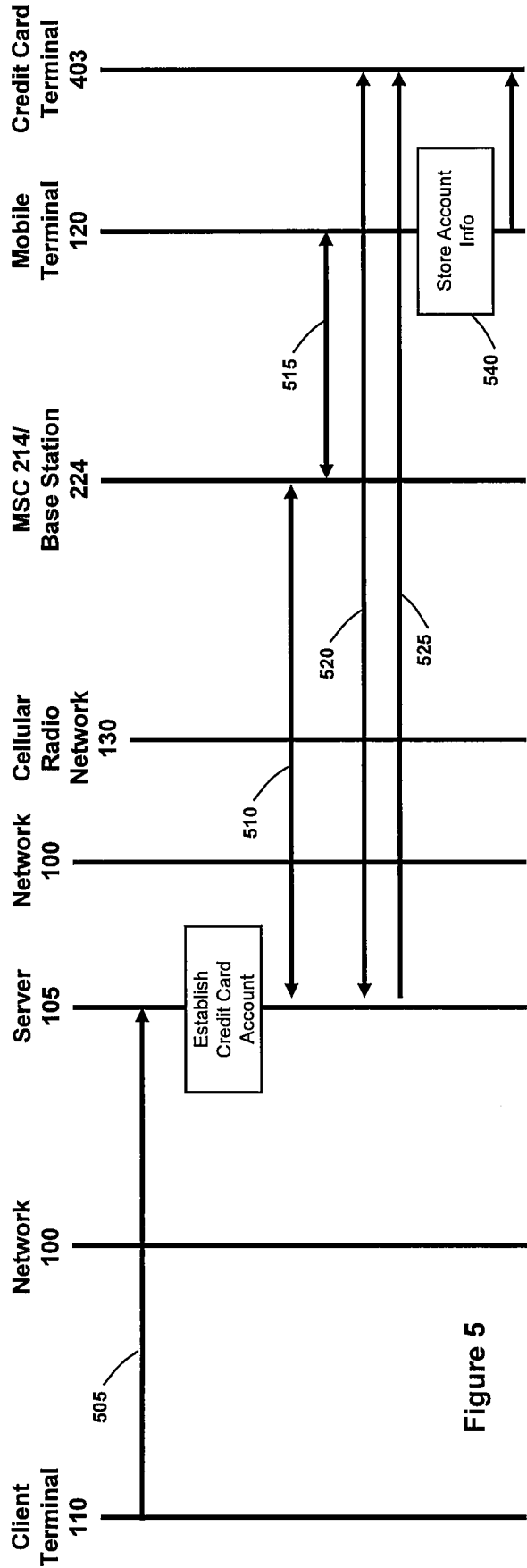


Figure 5

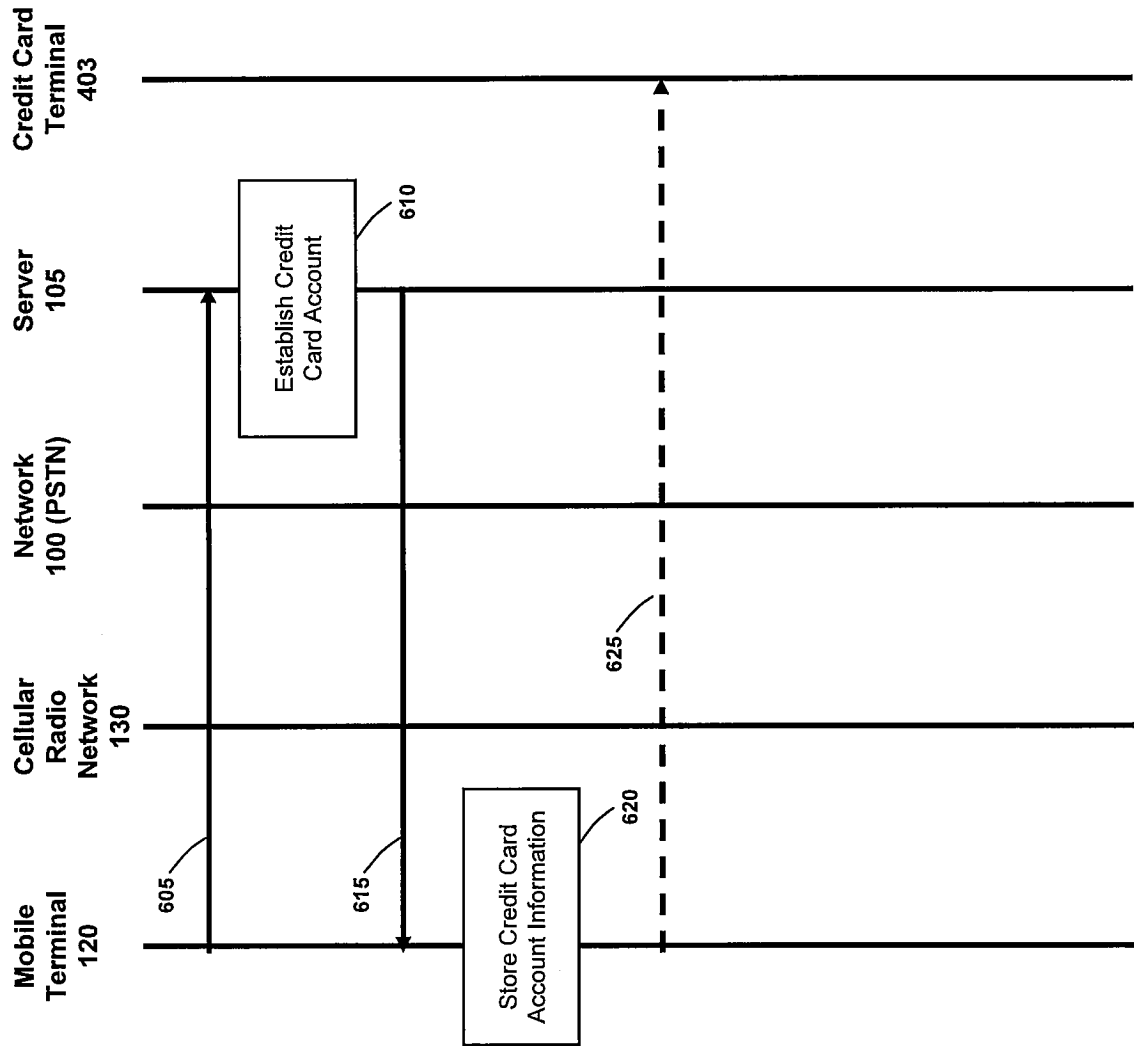


Figure 6

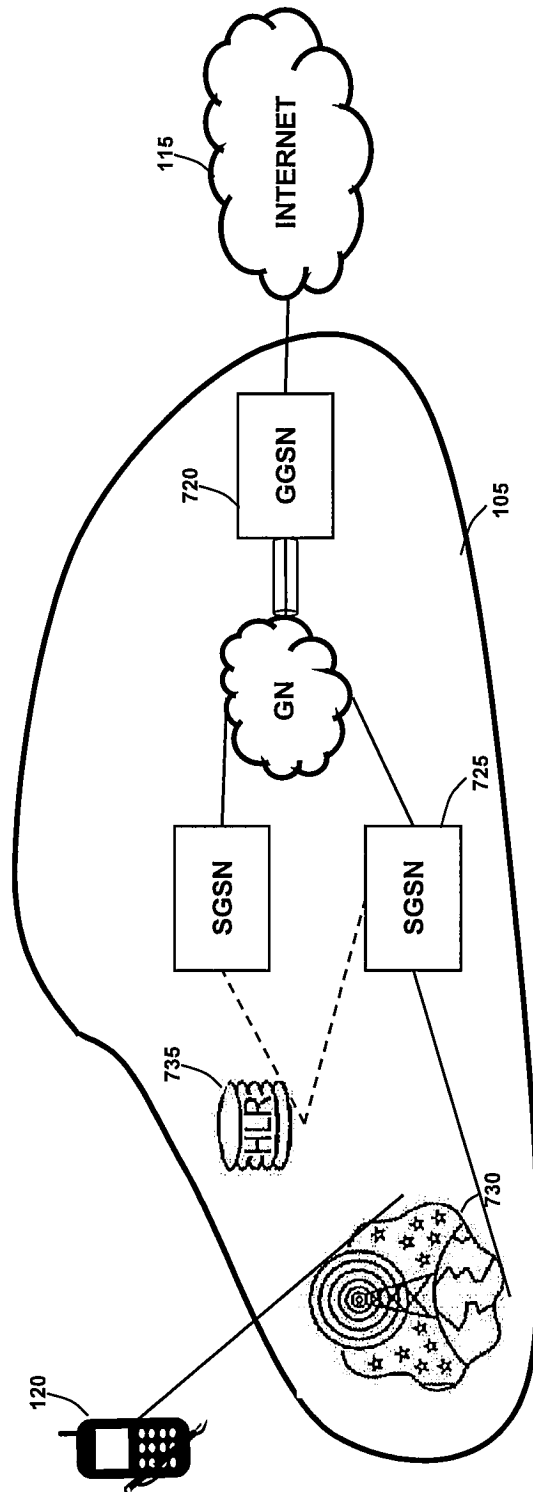


Figure 7

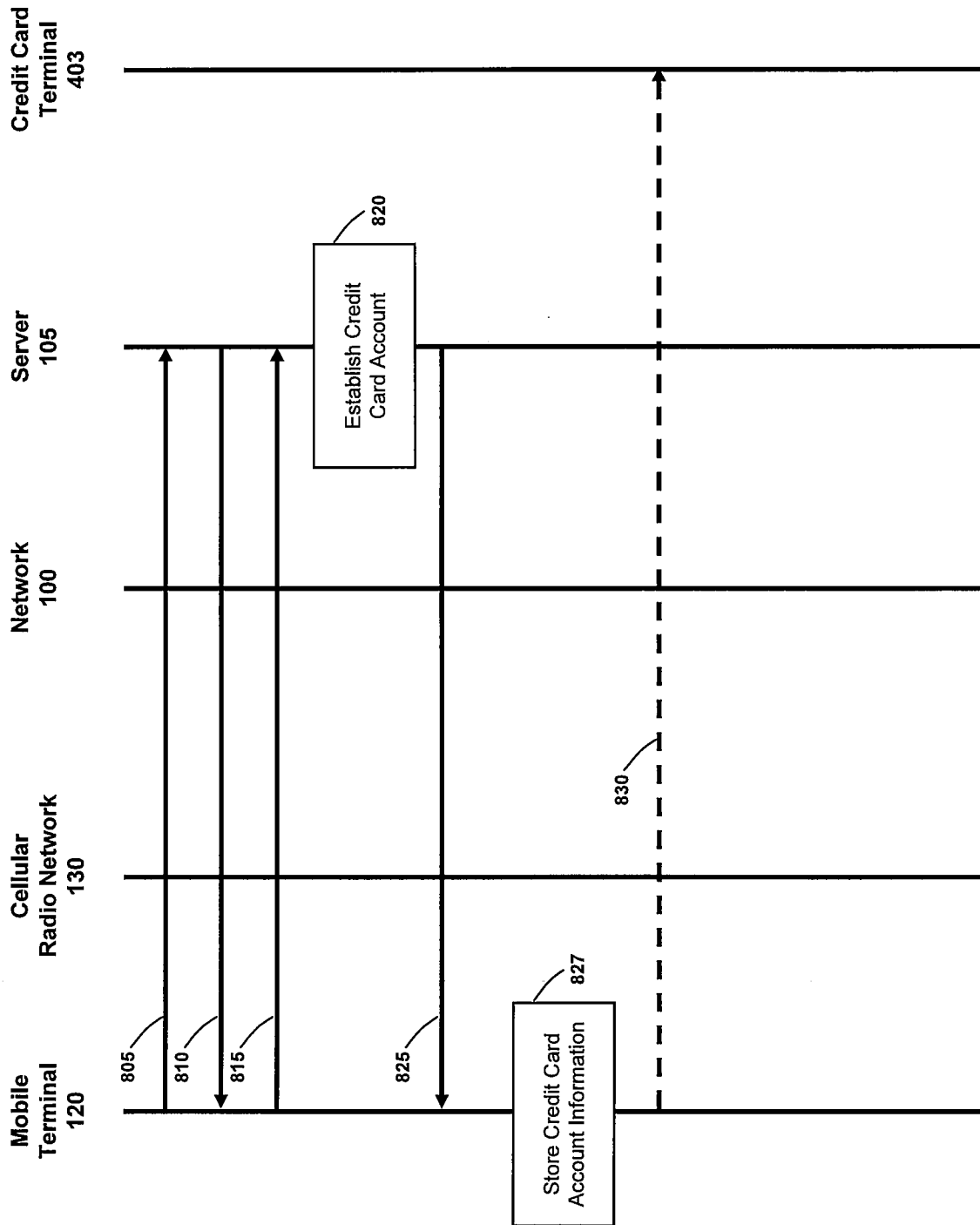


Figure 8

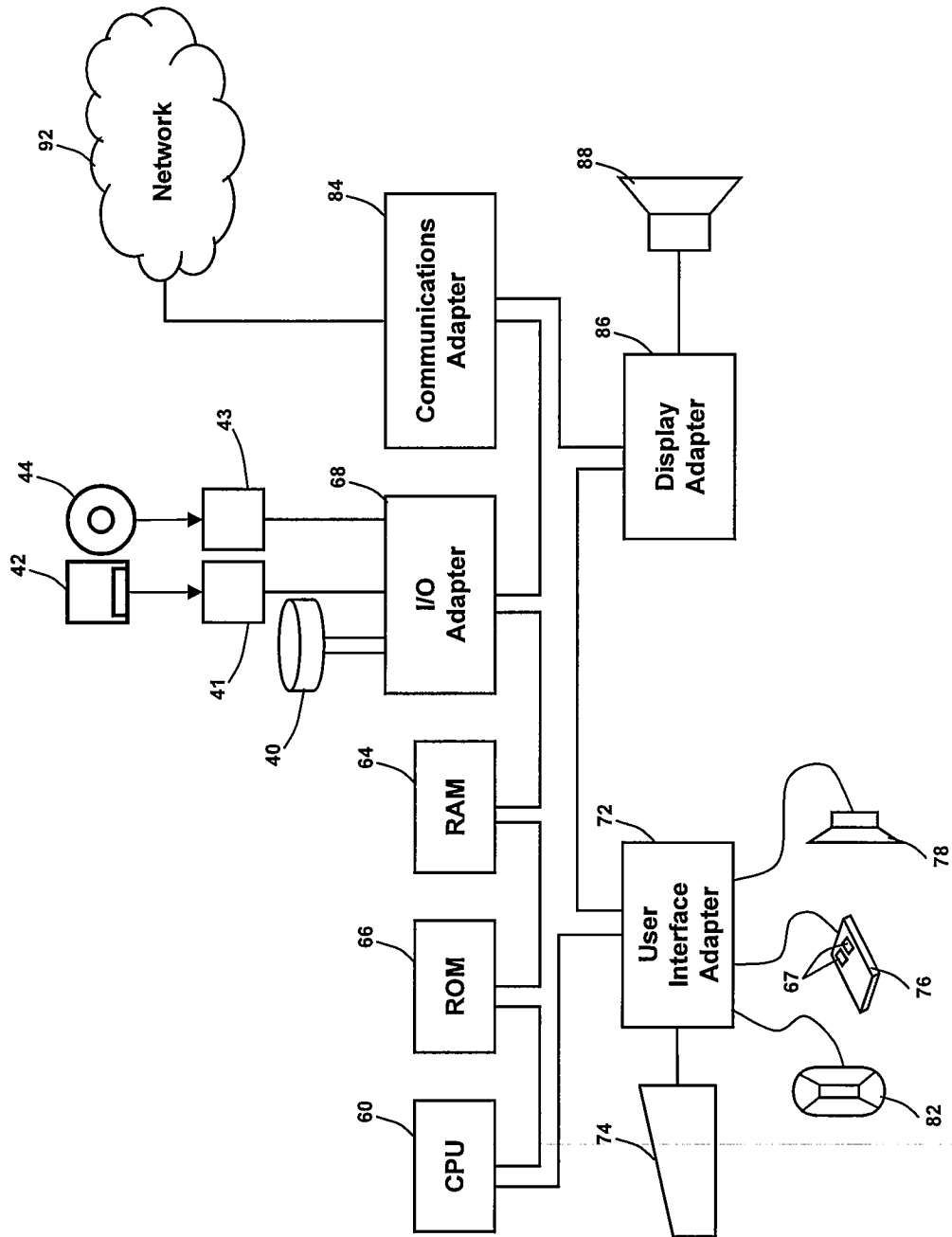


Figure 9